Certified Perennial Grass Varieties Recommended for Nebraska

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More than 100 species of perennial grasses are adapted to and grown in Nebraska. They are classified as either "cool-season" or "warm-season" grasses.

Cool-season grasses grow rapidly during spring, often using most of the readily available soil moisture and nitrogen. They are nearly dormant during summer. Regrowth in late summer and fall occurs as cool temperatures and soil moisture return. Often they remain partly green throughout winter but will not grow until frosts become less frequent and less severe.

Warm-season grasses begin slow growth about one month later than cool-season grasses. Growth is rapid in late spring and early summer as these grasses make efficient use of available soil moisture and nutrients. Growth generally ceases by late summer or early fall although live, green tissue usually remains until a hard freeze kills all top growth.

Full season pasture programs usually benefit from having separate pastures of warm-season grasses and cool-season grasses. Both stocking rate and average daily gain can be increased 25 percent by grazing cool-season grasses in spring and fall and warm-season grasses in summer compared to grazing just one type of grass the entire growing season.

Mixtures containing cool- and warm-season grasses in the same pasture usually are impractical, except for certain range plantings. Good grazing management is difficult because livestock will selectively overgraze certain grasses while nearly avoiding other grasses. In addition, an uneven distribution of rainfall during the season will encourage growth of certain grasses while weakening other grasses.

Advantages of Recommended Varieties

The selection of adapted varieties can be just as critical to a successful seeding as the species choice. About 25 grass species in Nebraska are known to

have characteristics that make them valuable enough to develop improved varieties for new seedings. These species grow over broad geographic areas and have diverse genetic traits that help individual plants adapt to specific soil and site conditions.

Varieties of these species have been developed to perform significantly better in their adapted area than other varieties or natural wild strains. Adapted varieties are predictably superior in vigor, production, persistence, and resistance to insects and diseases within their area of adaptation.

Importance of Using Certified Seed

Planting certified seed assures the genetic purity and seed quality designated on the seed tag. Certified seed is planted, grown, harvested, processed, and marketed following strict standards. Inspections during production and processing help assure that these standards have been met. Only seed that meets these standards may carry the certified seed label. Planting seed of questionable or unknown origin and performance is a gamble that most people cannot afford.

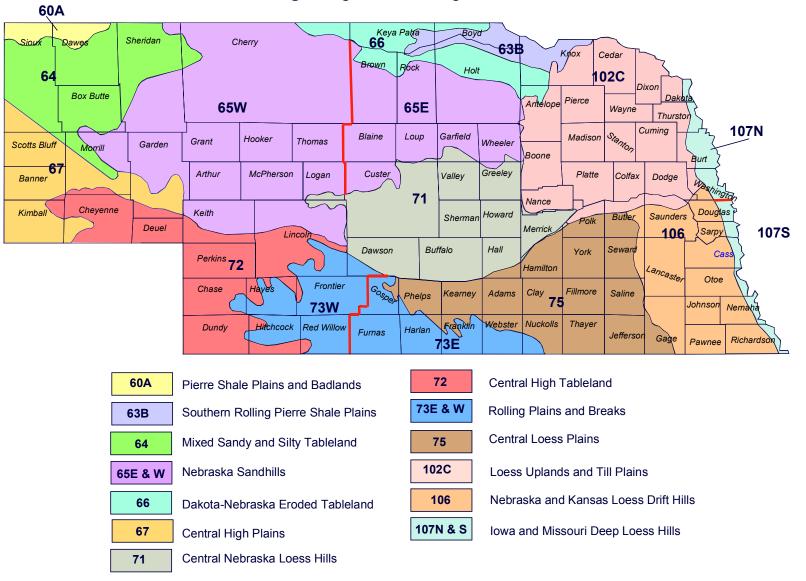
Using the Map and Table

The following map, Major Land Resource Areas For Selecting Adapted Grass Species and Varieties, depicts 16 regions within the state. The table, Varieties of Grasses for Use in Major Land Resource Areas of Nebraska, shows which grass varieties are best adapted to different sites in each region. After identifying the region on the map, use the table to select an appropriate grass variety for your site. (Sites are further described in Footnote 2 of the table.) Grass varieties are listed alphabetically using two subheadings: Warm-season Grasses and Coolseason Grasses.

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Nebraska's Major Land Resource Areas

For Selecting Adapted Grass Species and Varieties



Kind of grass and certified	Panhandle	Southwest	Western	Eastern	North	Central	South	Northeast	Southeast
variety	60A, 64, 67	72, 73W	Sandhills	Sandhills	Central	71	Central	102C,	106, 107S
			65w	65E	63B, 66		73E, 75	107N	

Cool-season Native Grasses

Canada Wildrve (note Mandan will be removed from the southern r	part of the state in the near future and replaced with better suited varieties)

Green Needlegrass							
Lodorm	H S B	H S B	H s B	H s B	H S B	 	

Thickspike Wheatgrass

										4
Critana	h s b	h s b	h s b	_	_	_	_	_	_	Ī

Virginia Wildrye

Mandan

Omaha	 _	_	i w	i w	b i w	hbiw	hbiw	hbiw
Cuivre River			i w	i w	b i w	b i w	b i w	hbiw

Western Wheatgrass

reer it it it it is it i									
Arriba	hsbiwa	hsbiwa	_	_	_	_	_	_	_
Barton	hsbiwa	hsbiwa	hsbiwa	H S B i w A	H S B i w A	H S B i w A	H S B i w A	hsbiwa	hsbiwa
Flintlock	H S B i w A	H S B i w A	H S B i w A	hsbiwa	hsbiwa	Hsbiwa	hsbiwa	hsbiwa	hsbiwa
Rodan	hsbiwa	_	hsbiwa	hsbiwa	hsbiwa	_	_	_	_
Walsh	hsbiwa	_	hsbiwa	hsbiwa	hsbiwa	_		_	_

Cool-season Introduced Grasses

Creeping Foxtail

Garrison	b I W A	b I W a	b I W a	B I W a	B I W a	B I W a	ь I W а	B I W a	b I W a
Retain	b I W A	b I W a	b I W a	B I W a	B I W a	B I W a	ь I W а	B I W a	b I W a

b w a

b w a

Kind of grass and certified	Panhandle	Southwest	Western	Eastern	North	Central	South	Northeast	Southeast
variety	60A, 64, 67	72, 73W	Sandhills	Sandhills	Central	/1	Central	102C,	106, 107S
			65w	65E	63B, 66		73E, 75	107N	

Crested Wheatgrass

Hycrest	Н В	Н В	Н В	Н В	_	Н В	Н В	_	_
Nordan	h b	_	h b	h b	h b	_	_	_	
NU-ARS-AC2	Н В	Н В	Н В	Н В	Н В	Н В	н в	_	_
Ruff	h b	h b	h b	h b	h b	h b	h b	_	_

Intermediate Wheatgrass (* Pubescent Types)

Thethate Wheatgrass (Tubescent Types)												
Amur	H s B I	h s b i	H s B I	H s B I	h s b i	hsbi	hsbi	hsbi	h s b i			
Beefmaker	H s B I	H s B I	H s B I	H s B I	H s B I	HSBI	нѕві	HSBI	HSBI			
Clarke	H s B I	H s B I	H s B I	H s B I	HSBI	H s B I	HsBI	HSbI	H S b I			
Haymaker	H s B I	H s B I	H s B I	H s B I	H s B I	HSBI	HSBI	HSBI	HSBI			
Luna *	H S B i	H s B i	H s B i	H s B i	hsbi	hsbi	hsbi	hsbi	hsbi			
Mandan *	H S B i	H s B i	H s B i	H s B i	hsbi	h s b i	hsbi	hsbi	h s b i			
Manska *	H s B I	H s B I	H s B I	H s B I	H s B I	HSBI	нѕві	HSBI	HSBI			
Oahe	H s B I	hsbi	H s B I	H s B I	hsbi	hsbi	hsbi	hsbi	h s b i			
Reliant	hsbi	_	hsbi	hsbi	hsbi	_	_	_	_			
Slate	H s B I	H s B I	H s B I	H s B I	H s B I	H s B I	H s B I	H S b I	HSbI			

Meadow Brome

Fleet	b I	b I	b I	ΒI	BI	HBI	HSBI	h s b I	h s b I
Paddock	b I	b I	b I	BI	BI	HBI	HSBI	h s b I	h s b I
Regar	b I	b I	b I	BI	BI	HBI	HSBI	h s b I	h s b I

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			65w	65E	63B, 66		73E, 75	107N	

Orchardgrass							75	73E	Both		
Comet	_	I w	_	_	BIw	I w	В	b	I w	H s B I	HSBI
Duke	_	_	_	—	—	_		_	_	H s B I	H s B I
Hallmark	_	i w	_	_	b i w	i w	b	b	i w	h s b i	hsbi
Napier	I	I w	I	I	h B I w	I w	В	b	I w	H s B I	HSBI
Paiute	h b i	hbi	hbi	_	_	_	_	_		_	_
Potomac	_	i w	_	_	b i w	i w	b	b	i w	hsbi	hsbi
Sterling	I	I w	I	I	h B I w	I w	В	b	I w	H s B I	HSBI
Latar	_	I w	I	I	BIw	I w	В	b	I w	H s B I	HSBI

Reed Canarygrass (note some Reed Canarygrass is considered native, most Reed Canarygrass is not considered native)

• • •	, ,					,			
Ioreed	i w	i w	i w	i w	hbiw	i w	hbiw	hbiw	hbiw
Palaton	i W	i W	i W	i W	h b i W	i W	h b i W	h B i W	h B i W
Rise	i w	i w	i w	i w	hbiw	i w	hbiw	h b i w	hbiw
Vantage	i w	i w	i w	i w	hbiw	i w	hbiw	h b i w	hbiw
Venture	i W	i W	i W	i W	h b i W	i W	h b i W	h B i W	h B i W

Russian Wildrye

 · · · J ·									
Bozoisky-Select	H s B I a	_	H s B I a	H s B I a	H s B I a	_	_	_	_
Mankota	H s B I a	_	H s B I a	H s B I a	H s B I a	_	_	_	_
Vinall	hsbia	_	hsbia	hsbia	hsbia	_	_	_	_

Smooth Brome

Badger	I	bІ	bІ	HBI	HBI	H s B I	HSBI	HSBI	HSBI
Lincoln	I	bІ	bІ	HBI	HBI	H s B I	HSBI	HSBI	HSBI
Lyon	I	bІ	bІ	HBI	нві	H s B I	HSBI	HSBI	HSBI
Radison	I	bІ	bІ	HBI	HBI	H s B I	HSBI	HSBI	HSBI
Rebound	I	I	bІ	HBI	HBI	HBI	HSBI	HSBI	нѕві

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³Tall Fescue

an i cocac									
Alta	_	_	_	_	_	i	i	_	hbia
Fawn	_	_	_	_	_	b i	h b i	hbi	hbia
Forager	_	_	_	_	_	i	i	_	hbia
Kenhy	_	_	_	_	_	b i	hbi	hbi	НВ іа
Ky-31	_	_	_	_	hbi	b i	hbi	hbi	hbia
Martin	_	_	i	i	i	i	hbi	hbi	H B i a
Mo-96	_	_	_	_	_	i	i	_	hbia
Mozark	_	_	i	i	i	i	hbi	hbi	НВ іа

Tall Wheatgrass

Alkar	b i w A	b i w A	b i w A	b i w A	b i w A	b i w A	h b i w A	h b i w A	h b i w A
Jose	b i w A	b i w A	b i w A	b i w A	b i w A	b i w A	h b i w A	h b i w A	h b i w A
Platte	b i w A	b i w A	b i w A	b i w A	b i w A	b i w A	h b i w A	h b i w A	h b i w A

Wheatgrass Hybrids

* * 11	catgrass frybrids								
	Newhy	h b I W A	h b I W A	h b I W A	h b I W A	h b I W A	h b I W A	_	

Warm-season Native Grasses

Big Bluestem

5 2140500111									
Bonilla	b	_	_	_	hsbi	_	_	hsbi	_
Champ ⁴	s B I	h S B i	H S B i	H S B i	H S B i	H S B i	h S b	h S b	h s b
Kaw	_	h B i	_	_	_	hsbi	H S B i	_	hsbi
Pawnee	_	НВ і	_	hsbi	H s B i	H S B i			
Rountree	_	_	_	b i	hsbi	h b i	Н s B і	H S B i	H S B i

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Blue Grama

Alma	_	h s b		_		_	h s b		h s b
Bad river	h s b	h s b	h s b	h s b	h s b	h s b	h s b	h s b	h s b
Hachita	h s b	h s b	h s b	h s b	h s b	h s b	h s b	h s b	h s b
Lovington	h s b	h s b	h s b	h s b	h s b	h s b	h s b	h s b	h s b

Buffalograss

ullalogiass									
Bison	h b	h b	_	_	h b	h b	h b	h b	h b
Cody	h b	h b	_	_	h b	h b	h b	h b	h b
Plains	h b	h b	_	_	h b	h b	h b	h b	h b
Sharp's Improved	h b	h b	_	_	h b	h b	h b	h b	h b
Tatanka	h b	h b	_	_	h b	h b	h b	h b	h b
Texoka	h b	h b	_	_	h b	h b	h b	h b	h b

Eastern Gamagrass

Pete		 	 	 h B i w	 h B i w

Indiangrass

Cheyenne	_	b i w	_	_	_	_	b i w	_	_
Holt	b i w	hsbiw	hsbiw	h s B i w	H S B i w	H S B i w	hsbiw	hsbiw	hsbiw
Nebraska 54	_	B i w	_	b i w	b i w	H S B i w	H S B i w	HSBiw	H S B i w
Osage	_	_	_	_	_	_	hsbiw	_	_
Oto	_	b i w	_	_	_	hsbiw	H S B i w	hsbiw	hsbiw
Rumsey	_	_	_	_	_	_	hbiw	hsbiw	H S B i w

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Little Bluestem

Aldous		b				h s b	HSB	h s b	h s b
Blaze		s b			h s b	S B	h s b	h s b	h s b
Camper	s b	h s b	s b	s b	H S B	H S B	h s b	h s b	h s b
Cimarron	H S B	H S B	H S B	H S B		h s b	h s b	_	_
Pastura	h s b	h s b	h s b	h s b	h s b	h s b	h s b		_

Prairie Sandreed

Tall ic Saliul ccu									
Goshen	h S b	h S b	h S b	h s b	S	h s b	h s b	_	_
Pronghorn	h S b	h S b	h S B	h S b	S	h S b	h S b	_	_
ND-95 (Bowman County)	h s b		h s b	h s b	S	h s b		_	_

Sand bluestem

Champ ⁴	s B i	h S B i	H S B i	H S B i	H S B i	HSBi	h S b	h S b	h s b
Garden County	S	S b	H S B i	H S B i	S b	S b	S	S	
Goldstrike	S	S b	H S B i	H S B i	Sb	S b	S	S	_

Sand Lovegrass

Bend	_	Sbi	_	_	_	_	Sbi	_	_
Nebraska 27	S b i	Sbi	h S b i	h S b i	Sbi	h S b i	h S b i	h S b i	h S b i

Sideoats Grama

Butte	Нbi	Нbі	Нbі	hbi	hbi	hbi	h b i	h s a	hbi
El Reno	_	hsbi		_	_	_	hsbi	_	hsbi
Pierre	h b i	_	h b i	h b i	hsbi		_	h s	_
Trailway	_	b i	_	Нbi	Нbi	Нbi	Hsbi	Hsbia	Hsbi

				J					
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			65w	65E	63B, 66		73E, 75	107N	

Sw	itchgrass									
	Blackwell	_	hsbiw	hsbiw	hsbiw	hsbiw	hsbiw	hsbiwa	hsbiwa	hsbiwa
	Cave-in-Rock	_	_	_	_	_	hbiw	hsbiw	hsbiw	H s B i w
	Forestburg	_	_	_	hsbiw	hsbiwa	_	_	hsbiwa	_
	Kanlow	_	W	_	_	_	_	b i W a	_	b i W a
	Nebraska 28	hsbiw	s b i w	hsbiw	hsbiw	hsbiwa	hsbiw	hsbiw	hsbiwa	_
	Pathfinder	_	hsbiw	hsbiw	hsbiw	hsbiwa	hsbiw	hsbiwa	hsbiwa	hsbiwa
	Shawnee	_	_	_	_	_	hbiw	H s B i w	H s B i w	H s B i w
	Summer	_	_	_	hsbiw	hsbiwa	hsbiw	hsbiwa	hsbiwa	hsbiwa
	Sunburst	_	_	_	_	hsbiwa	_	_	hsbiwa	_
	Trailblazer	_	H s B i w	h s B i w	HSB iw	HSB iwa	HSB iw	H S B i w a	HSB iwa	H S B i w a

Adapted varieties may be available (especially of smooth brome and orchardgrass) that are not listed here because of limited information or commercialization. As additional information becomes available adapted varieties will be added.

Land resource areas are shown and identified by the accompanying map. Select varieties for use in each region and resource area are described below: H = hardlands, S = sands, B = bottomlands (moderately and somewhat poorly drained soils), I = irrigated, W = poorly and very poorly drained soils, A = alkali and saline. (Uppercase **Bold** letters designate varieties preferred for use as forage. Lower case letters indicate varieties adapted to the site for conservation, wildlife, and other uses.)

³ Use endophyte (fungus)-free tall fescue seed only if any forage use is possible.

⁴ Synthetic blend of plant material from both sandy and hardland sites. Use on sites adapted to either big or sand bluestem.